

JAN 28 1982

DPM 2545-


CHEMICALS INC.
 SUBSIDIARY OF AMERICAN CAN COMPANY

GENERAL OFFICES, RAHWAY, NEW JERSEY 07065

MATERIAL SAFETY DATA SHEET

(Approved by U.S. Department of Labor Essentially Similar to Form LSH-00S-4)

EMERGENCY PHONE NUMBERS

 During Office Hours, 8:30 A.M. - 4:30 P.M.
 Call (201) 499-2401
 After Hours
 Call (201) 499-2445

Jan. 1977
CHEMICAL NAME: **Nickel Chloride**

SYNONYMS:

CHEMICAL FAMILY: **Nickel Salts**FORMULA: **NiCl₂**MOLECULAR WEIGHT: **129.61**TRADE NAME AND SYNONYMS: **Liquid Nickel Chloride**

I. HAZARDOUS INGREDIENTS

MATERIAL	%	TLV (Units)
Nickel Chloride	176gm/1 as Ni	1 mg/M ³

II. PHYSICAL DATA

BOILING POINT, 760 mm. Hg	about 212°F	FREEZING POINT	under 32°F
SPECIFIC GRAVITY (H ₂ O = 1)	1.35	VAPOR PRESSURE at 20°C.	about 760mm
VAPOR DENSITY (air = 1)	----	SOLUBILITY IN WATER, % by wt. at 20°C.	Complete
PER CENT VOLATILES BY VOLUME	over 70%	EVAPORATION RATE (Butyl Acetate = 1)	-----
APPEARANCE AND ODOR	clear green liquid characteristic odor		

III. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (test method)	N/A	AUTOIGNITION TEMPERATURE	N/A
FLAMMABLE LIMITS IN AIR, % by volume	LOWER	----	UPPER ----
EXTINGUISHING MEDIA	<input type="checkbox"/> Water Spray <input type="checkbox"/> Carbon Dioxide <input type="checkbox"/> Other <input type="checkbox"/> Foam <input type="checkbox"/> Dry Chemical		
SPECIAL FIRE FIGHTING PROCEDURES	<input checked="" type="checkbox"/> Avoid Eye and Skin Contact <input checked="" type="checkbox"/> Do Not Breathe Fumes <input type="checkbox"/> Other		
UNUSUAL FIRE AND EXPLOSION HAZARDS	None		

IV. HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE	1mg/M ³ as Nickel		
EFFECTS OF OVEREXPOSURE	May cause irritation of eyes, skin and respiratory tract upon contact or inhalation.		
EMERGENCY AND FIRST AID PROCEDURES	EYE Flush with flowing water at least 15 minutes	Wash thoroughly with soap and water. Remove contaminated clothes. Call a physician. Launder contaminated clothing before re-use.	Never give fluids or induce vomiting if patient is unconscious or having convulsions

V. REACTIVITY DATA

STABILITY		CONDITIONS TO AVOID	N/A
UNSTABLE	STABLE		
	X		
INCOMPATIBILITY (materials to avoid)		<input type="checkbox"/> Water <input type="checkbox"/> Acids <input type="checkbox"/> Bases <input type="checkbox"/> Oxidizers <input type="checkbox"/> Reducers <input type="checkbox"/> Other	N/A
HAZARDOUS DECOMPOSITION PRODUCTS		Nickel oxides, HCL	
HAZARDOUS POLYMERIZATION		CONDITIONS TO AVOID	N/A
May Occur	Will not Occur		
	X		

VI: SPILL OR LEAK PROCEDURES

ENVIRONMENTAL IMPACT IF RELEASED OR SPILLED	Product is toxic to aquatic life if discharged to open waters.
CORRECTIVE ACTION TO BE TAKEN	Confine area of spill. Cover with sand or other inert material. Transfer to plastic container for disposal.
WASTE DISPOSAL METHOD	Treat chemically with caustic to reduce solubility and dispose of as solid waste in authorized disposal area. Follow all Federal, State & Local regulations for chemical pollution control.

VII. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type)		<input checked="" type="checkbox"/> Not normally required <input type="checkbox"/> Other	
VENTILATION	LOCAL EXHAUST	Recommended	SPECIAL
	MECHANICAL (general)	800-1000 ft/min across plating tanks	OTHER
PROTECTIVE GLOVES		EYE PROTECTION <input type="checkbox"/> Not normally necessary <input checked="" type="checkbox"/> Chemical workers goggles <input type="checkbox"/> Other	
OTHER PROTECTIVE EQUIPMENT			

VIII. SPECIAL PRECAUTIONS

PRECAUTIONARY LABELING	Corrosive liquid N.O.S. <u>Keep from freezing</u> Warning! Corrosive to aluminum and steel. May cause irritation. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. First Aid: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician. Flush skin with water. Wash clothing before re-use.
OTHER PRECAUTIONS	Avoid eye and skin contact. Do not breathe fumes or vapors. Launder contaminated clothing before re-use.
OTHER HANDLING AND STORAGE CONDITIONS	Store in cool, dry area.